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1644
p#5

April 3, 2002

Commissioner for Patents
Washington, D.C. 20231

Re: U.S. Patent Application No.: 10/002775
NOVEL B7-4 MOLECULES AND USES THEREFOR
Inventors: Freeman, Gordon et al.
Filed: November 2, 2001
Our Ref. No.: GNN-004ADV

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Dear Sir:

I enclose herewith for filing in the above-identified application the following:

1. Information Disclosure Statement;
2. PTO Form 1449; and
3. A Return Postcard.

No additional costs are believed to be due in connection with the filing of this Information Disclosure Statement. However, please charge any necessary fees in connection with the enclosed statement to our Deposit Order Account No. 12-0080. For this purpose, a duplicate of this sheet is attached.

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April 3, 2002
Date

Megan E. Williams, Esq., Reg. No. 43,270

Respectfully submitted,
LAHIVE & COCKFIELD, LLP

Megan E. Williams, Esq.
Registration No. 43,270
Attorney for Applicants



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Washington, D.C. 20231

Re: U.S. Patent Application No.: 10/002775
NOVEL B7-4 MOLECULES AND USES THEREFOR
Inventors: Freeman, Gordon et al.
Filed: November 2, 2001
Our Ref. No.: GNN-004ADV

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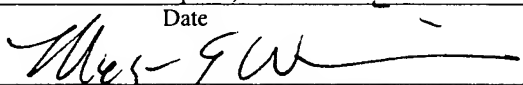
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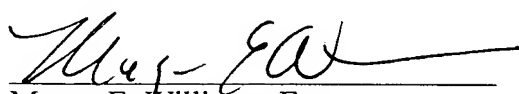
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Megan E. Williams, Esq., Reg. No. 43,270

Respectfully submitted,
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Megan E. Williams, Esq.
Registration No. 43,270
Attorney for Applicants



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In re the application of: Freeman, Gordon et al.

Serial No.: 10/002775

Filed: November 2, 2001

For: NOVEL B7-4 MOLECULES AND USES
THEREFOR

Attorney Docket No.: GNN-004ADV

Group Art Unit: 1644

Examiner: J. H. Roark

Commissioner for Patents
Washington, D.C. 20231

Certificate of First Class Mailing (37 CFR §1.8(a))

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April 3, 2002

Date of Signature and of Mail Deposit

By:

Megan E. Williams, Esq.

Reg. No.: 43,270

Attorney for Applicants

INFORMATION DISCLOSURE STATEMENT

Dear Sir:

For the Examiner's convenience in reviewing this divisional application, Applicants submit a consolidated PTO Form 1449, listing all references cited during the prosecution of the parent application. The present application is a divisional of U.S. Serial No. 09/644,934, filed August 23, 2000 (Atty. Docket No. GNN-004A). All references listed on the enclosed PTO Form 1449 have been previously cited by or submitted to the Office in the prior

application, and, in accordance with 37 CFR §1.98(d), copies of the of the references are not enclosed but will be provided upon request.

This statement is not to be interpreted as a representation that the cited publications are material, that an exhaustive search has been conducted, or that no other relevant information exists. Nor shall the citation of any publication herein be construed *per se* as a representation that such publication is prior art. Moreover, Applicants understand that the Examiner will make an independent evaluation of the cited publications.

No additional costs are believed to be due in connection with the filing of this Information Disclosure Statement. However, please charge any necessary fees in connection with the enclosed statement to our Deposit Order Account No. 12-0080.

Respectfully submitted,
LAHIVE & COCKFIELD, LLP

A handwritten signature in cursive script, appearing to read 'Megan E. Williams', followed by a horizontal line and an arrow pointing to the right.

Megan E. Williams, Esq.
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Date: April 3, 2002

AEM/MEW/SYH/ham

GNN-004ADV

10/002775

LIST OF PUBLICATIONS CITED BY APPLICANT
(Use several sheets if necessary)

APPLICANT

Freeman, Gordon et al.

FILING DATE

November 11, 2001

GROUP

1644

U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE

FOREIGN PATENT DOCUMENTS

DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES NO
A1	WO 95/03408	02/95	PCT		

OTHERS (including Author, Title, Date, Pertinent Pages, Etc.)

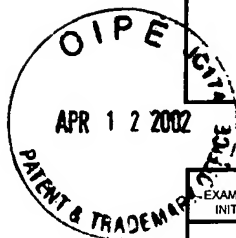
A2	Attwood, Teresa K. "The Babel of Bioinformatics" <i>Science</i> 290(5491):471-473 (Oct. 27, 2000);
A3	Coyle, Anthony J. et al. "The expanding B7 superfamily: Increasing complexity in costimulatory signals regulating T cell function" <i>Nature Immunology</i> 2(3):203-209 (March 2001);
A4	Dong, Haidong et al. Genbank Acession No. AF177937 Homo sapiens B7-H1 mRNA, complete cds (January 19, 2000);
A5	Dong, Haidong et al. "B7-H1, a third member of the B7 family, co-stimulates T-cell proliferation and interleukin-10 secretion" <i>Nature Medicine</i> 5(12):1365-1369 (1999);
A6	Freeman, Gordon J. et al. "Engagement of the PD-1 Immunoinhibitory Receptor by a Novel B7 Family Member Leads to Negative Regulation of Lymphocyte Activation" <i>Journal of Experimental Medicine</i> 192(7):1027-1034 (1998);
A7	Henry, Joelle et al. "Structure and evolution of the extended B7 family" <i>Immunology Today</i> 20(6):285-288 (1999);
A8	Skolnick, Jeffrey et al. "From genes to protein structure and function: novel applications of computational approaches in the genomic era" <i>Trends in Biotechnology</i> 18(1):34-39 (Jan. 2000);
A9	<u>Steadman's Medical Dictionary</u> , 24 th edition, 1982 Williams & Wilkins, Baltimore, MD, USA, p. 42;
A10	Voet, Donald et al. <u>Biochemistry</u> Vol. 1, 1990 John Wiley & Sons, pp. 126-128, 230;
A11	Genbank Acession No. AA292201 zt50f01.r1 Soares ovary tumor NbHOT Homo sapiens cDNA clone IMAGE:725785 5', mRNA sequence (April 21, 1997);
A12	Genbank Acession No. AA399416 zt50f01.s1 Soares ovary tumor NbHOT Homo sapiens cDNA clone IMAGE:725785 3', mRNA sequence (April 29, 1997);
A13	Genbank Acession No. Q13410 Butyrophilin precursor (BT) (November 1, 1997).

Examiner

Date Considered

*EXAMINER:

Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.



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